Programme Curriculum

Term 1	48 Credits – (60 Working Days)	
101 PBF	**FUNDAMENTAL PRINCIPLES of BANKING & FINANCE - 16 credits**	
Module No.	**Titles**	**Credits**
Module I	Banking and Finance – an Overview	3
Module II	Delivery Channels	4
Module III	Banking Management	4
Module IV	Statutory Provisions	5
102 IBM	**IT & BUSINESS MANAGEMENT (Including Soft Skills) - 16 credits**	
Module No.	**Titles**	**Credits**
Module I	Management Principles – an Overview	3
Module II	Effective Communication and Leadership	4
Module III	Quantitative Analysis	4
Module IV	ESG and Data Governance	5

103 DCM	DATA CENTRE MANAGEMENT IT & NON-IT - 16 credits	
Module No.	**Titles**	**Credits**
Module I	Data Center Design, Build, and Operation	3
Module II	Electrical Architecture	4
Module III	Electrical and Mechanical	4
Module IV	Cabling – Network	5

Term 2	64 Credits – (80 Working Days)	
201 ENM	ENTERPRISE NETWORK – OPERATION & MANAGEMENT- 16 credits	
Module No.	**Titles**	**Credits**
Module I	Network Fundamentals	3
Module II	Network Architecture and Access	4
Module III	IP Connectivity and IP Services	4
Module IV	Key Security Concepts, Automation and Programmability	5

202 DMS	DATA MANAGEMENT SYSTEM- 16 credits	
Module No.	**Titles**	**Credits**
Module I	Database Architecture, Structure, Administration and Optimization	3
Module II	Database Design and Query Processing	4
Module III	Metadata Integration and Management Fundamentals	4
Module IV	Big Data	5

203 ICM	IT & CLOUD INFRASTRUCTURE MANAGEMENT- 16 credits	
Module No.	**Titles**	**Credits**
Module I	Introduction to Cloud Computing	3
Module II	Virtualization, Data and Storage	4
Module III	Cloud Computing Security and Privacy	4
Module IV	Emerging Trends in Cloud Computing	5

204 BAM	BUSINESS ANALYTICS, AI & ML- 16 credits	
Module No.	Titles	Credits
Module I	Data Science and Artificial Intelligence in Business	3
Module II	Data-Driven Decisions and Digital/Social Media Analytics	4
Module III	Machine Learning and Advanced Analytics in Finance	4
Module IV	Natural Language Processing and Network Analytics in Business	5

Term 3	48 Credits – (60 Working Days)	
301 ICD	ISMS + CYBERSECURITY: BY DESIGN - 16 credits	
Module No.	Titles	Credits
Module I	Introduction to Cyber Security	3
Module II	Network Security - Secure Network Administration	4
Module III	Introduction to Cryptography	4
Module IV	System and Application Security	5

302 ADM	APPLICATION DEVELOPMENT & MANAGEMENT	
Module No.	**Titles**	**Credits**
Module I	Project Management Basics	3
Module II	App Development with Object Oriented Programming (Lab)	4
Module III	Web Application Development (Lab)	4
Module IV	Mobile Application Development Life Cycle	5

303 ETF	EMERGING TECHNOLOGIES- FINTECH ENABLERS	
Module No.	**Titles**	**Credits**
Module I	Emerging Technologies for Cyber Security	3
Module II	Digital Banking and Payment Systems	4
Module III	Distributed Ledger Platforms	4
Module IV	Open APIs and Other Technologies	5